

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: June 19, 2018	WEATHER: Sunny, High ~85 degrees F
Personnel and Visitors Onsite: Research vessel Cayuse – <u>CDM Smith</u> : Libby Miner; <u>AECOM</u> : Michaela McCoog; <u>Geosyntec</u> : Erin Dunbar; <u>Gravity Marine</u> : John Schaefer, Jeff Schut	
Planned Activity: <ul style="list-style-type: none">Collect surface sediment samples at stratified random and SMA sample locations. The locations sampled were all previously sampled or attempted previously but are being revisited for resampling that conforms to the updated sampling protocol.	
Activity Completed: <p>A tailgate safety meeting was led by AECOM. Topics discussed during the safety meeting included hot weather, sun protection, hydration, taking rest and bathroom breaks, boat traffic, communication with the boat captain when other boats are in the area, and the sampling plan for the day.</p> <p>Libby Miner performed oversight of surface sediment sampling at stratified random and SMA sample locations from 8:00 to 15:45 on board the Cayuse. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:</p> <ul style="list-style-type: none">GPS position checks were performed at the beginning and end of the day at the PH-2 control point at the Fred Devine property. GPS coordinates were within 1.24 meters of the PH-2 survey coordinates, meeting the 1-2 m accuracy specification in the FSP.Four surface sediment samples were collected from stratified random sample locations, and two surface sediment sample were collected from SMA sample locations. Samples collected and a brief description of each sample are provided below. Between sampling locations all sampling equipment was decontaminated using Alconox and deionized/distilled water.	
Status of Schedule & Priority Work: <ul style="list-style-type: none">Sampling will continue this week on the Cayuse with SMA, stratified random, and surface sediment samples co-located with the planned sediment core locations.Sampling on some private property locations will continue to occur at locations with property access agreements.	
Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): <ul style="list-style-type: none">SG-B161 – RM 6W: Six attempts were completed in the limited area and sediment was only recovered on one grab. The jaws did not fully shut and any overlying water washed out along with much of the fines. 11cm of sediment remained in the jaws and the compromised sample was archived for possible lab analysis.SG-B153 – RM 6W: Six attempts were completed and sediment was only recovered on one grab. The jaws did not fully shut and any overlying water washed out along with much of the fines. 11cm of sediment remained in the jaws and was characterized and the compromised sample was archived for possible lab analysis.SG-B423 (Alt 1) – RM 11.8E: Six attempts were made but sediment was only recovered on a single grab, due to rocks and debris. The sediment was archived for possible lab analysis.SG-S187 – Swan Island: This area had access issues due to the presence of a large vessel that remains docked. A composite sample was taken from grabs that were within 135 feet of the target.	
Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): <p>On the Cayuse, sediment samples were collected at the following sampling locations:</p> <ul style="list-style-type: none">PDI-SG-B161 – 1-point composite, RM 6W, within 50 ft radius, cobbles +silt layerPDI-SG-B153 – 1-point sample, RM 6W, within 50 ft radius, cobbles + sandy silt layerPDI-SG-B425 [Alt 1]– 3-point composite, RM 11.8W, within 50 ft radius, soft siltPDI-SG-B423 [Alt 1] – 1-point sample, RM 11.8E, within 50 ft radius, gravel + sandPDI-SG-S263 – 3-point composite, RM 10.9E, within 50 ft radius, sandy siltPDI-SG-S187 – 3-point composite, RM8- Swan Island Lagoon, within 135 ft radius, silt <p>Note: Sediment descriptions are simplified and AECOM/Geosyntec provided more detailed sediment descriptions in their sampling notes.</p>	

Photographs of work were taken throughout the day on board the Cayuse and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

Borings Completed (Include total footage drilled for each boring):

None

Wastes Generated and How Handled:

- Excess sediment and debris in the power grab sampler and in the sampling bowls was rinsed back into the river per the FSP. No significant sheen was observed.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed daily for disposal to a municipal waste management dumpster.

Health and Safety Issues, Equipment Needs, Staffing:

None.

Signature:

Libby Miner

DATE

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